

Special Issue

Diet, Nutrition, Microbiota and the Gut-Brain Axis

Message from the Guest Editor

The immune, nervous, and endocrine systems of the gastrointestinal tract do not function in isolation. Instead, they work in conjunction to maintain body homeostasis via perfectly orchestrated functional crosstalk. In this elegant system, the gut microbiota plays a vital role in the gastrointestinal ecosystem, mediating the bidirectional signaling between the gastrointestinal tract and the brain (the so-called *gut-brain axis*). The communication pathways along this axis include interactions between peptides, lipids, microbial metabolites, and the gut microbiota itself. Therefore, it is with a great pleasure that we organize this Special Issue covering the fascinating theme of *Diet, Nutrition, Microbiota, and the Gut-Brain Axis*. Our goal is to deepen our knowledge of multi-tissue crosstalk, as this is essential for a better understanding of body homeostasis in health and disease.

Guest Editor

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About the Journal

Message from the Editorial Board

Nutrients is an on-line open access journal that was first published in 2009. *Nutrients* adheres to rigorous peer-review and editorial processes and publishes only high quality manuscripts that address important issues related to the impacts of nutrients on human health. The Impact Factor of *Nutrients* has risen rapidly since its establishment and it is now ranked in the first quartile of journals publishing in the field of nutrition and dietetics research.

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